

**AMENDMENTS TO CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-11 (canceled)

12. (Previously presented) An isolated nucleic acid fragment comprising:

- (a) a nucleotide sequence encoding a polypeptide having adenosine 5'-phosphosulfate kinase activity, wherein the polypeptide has an amino acid sequence of at least 80% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:4;  
or
- (b) a full-length complement of the nucleotide sequence of (a).

13. (Previously presented) The isolated nucleic acid fragment of Claim 12, wherein the amino acid sequence of the polypeptide has at least 85% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:4.

14. (Previously presented) The isolated nucleic acid fragment of Claim 12, wherein the amino acid sequence of the polypeptide has at least 90% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:4.

15. (Previously presented) The isolated nucleic acid fragment of Claim 12, wherein the amino acid sequence of the polypeptide has at least 95% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:4.

16. (Previously presented) The isolated nucleic acid fragment of Claim 12, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:4.

17. (Previously presented) The isolated nucleic acid fragment of Claim 12, wherein the nucleotide sequence comprises SEQ ID NO:3.

18. (Previously presented) The isolated nucleic acid fragment of Claim 12, wherein the nucleic acid fragment is a functional RNA.

19. (Previously presented) A recombinant DNA construct comprising the isolated nucleic acid fragment of Claim 12 operably linked to at least one regulatory sequence.

20. (Previously presented) A transformed host cell comprising the recombinant DNA construct of Claim 19.